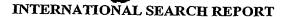
TO 13 MAY 2009 1000 554696

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/14612

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
The series of Kuie 0.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
This international application includes four inventions, which does not satisfy the requirement of unity of invention set forth in PCT Rule 13.1-13.4. Main invention: "Claims 1, 2, 5, 8, 9, and 12," where the invention relates to control of a radiator fan. Second invention: "Claims 3 and 10," where the invention relates to oil temperature estimation based on motor rotation speed. (continued to extra sheet)
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.



International application No. PCT/JP03/14612

Continuation of Box No. II of continuation of first sheet(1)

Third invention: "Claims 4 and 11," where the invention relates to oil temperature estimation based on pressure.

Fourth invention: "Claims 6, 7, 13, and 14," where the invention relates to the increase in heat generation of a motor by current phase control.

The inventions from the main to the fourth have a technical feature common to part or the whole of the construction of Claim 1; however, the technical feature is only prior art on the filing date of the international application or on the priority date. As a consequence, the technical feature is not a "special technical feature" within the meaning of PCT Rule 13.2, second sentence.

INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (second sheet) (July 1998)

International application No. PCT/JP03/14612

A. CLASSI Int.	IFICATION OF SUBJECT MATTER C1 ⁷ F15B21/04, G01K7/00, H02P	6/06	
According t	to International Patent Classification (IPC) or to both na	ational classification and IPC	
	SEARCHED		
Minimum d	ocumentation searched (classification system followed C1 F15B21/04, G01K7/00, H02P	by classification symbols)	
IIIC.	CI FISB21/04, GUIR//00, HU2P	6/06	
Documentat	tion searched other than minimum documentation to the	extent that such documents are included	in the fields searched
ປາປະຄ	yo Shinan Koho 1926-1996 i Jitsuyo Shinan Koho 1971-2004	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	0 1994-2004
Electronic d	ata base consulted during the international search (nam	ne of data base and, where practicable, sear	rch terms used)
		,	
	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
х	JP 2002-061611 A (Sumitomo Page 1) Construction Crane Co., Ltd.) 28 February, 2002 (28.02.02), Full text (Family: none)	Heavy Industries ,	1,2,5,8,9,12
х	Microfilm of the specification annexed to the request of Jap Application No. 51741/1984(La 165558/1985) (Komatsu Ltd.), 02 November, 1985 (02.11.85), Page 4, line 19 to page 5, li (Family: none)	panese Utility Model aid-open No.	1,2,5,8,9,12
× Furthe	r documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be	
"L" docume	ent which may throw doubts on priority claim(s) or which is	considered novel or cannot be consider step when the document is taken alone	
special	establish the publication date of another citation or other reason (as specified)	"Y" document of particular relevance; the considered to involve an inventive step	when the document is
"O" docume means	ent referring to an oral disclosure, use, exhibition or other	combined with one or more other such	documents, such
"P" docume than the	ent published prior to the international filing date but later e priority date claimed	combination being obvious to a person "&" document member of the same patent if	family
Date of the a	actual completion of the international search arch, 2004 (01.03.04)	Date of mailing of the international search	ch report
. 01 11		16 March, 2004 (16.	03.04)
Name and m	nailing address of the ISA/	Authorized officer	
	nese Patent Office	Aumorized officel	
Facsimile No	0.	Telephone No	

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/14612

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х .	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 120925/1977 (Laid-open No. 46990/1979)	1,2,5,8,9,1
	(Hitachi Zosen Corp.), 31 March, 1979 (31.03.79), Page 3, lines 2 to 10 (Family: none)	
Y	JP 9-216782 A (Hitachi, Ltd.), 19 August, 1997 (19.08.97), Par. Nos. [0020] to [0028] (Family: none)	3,10,4,11
A	EP 0479464 A2 (EATON CORP.), 08 April, 1992 (08.04.92), Full text	3,10
Y	& US 5050451 A	
• .	JP 9-255262 A (Mitsubishi Electric Corp.), 30 September, 1997 (30.09.97), Par. Nos. [0025] to [0027] (Family: none)	6,7,13,14
Y	JP 9-033145 A (Daikin Industries, Ltd.), 07 February, 1997 (07.02.97), Par. Nos. [0046] to [0047]	6,7,13,14
Α	(Family: none) JP 63-170571 A (Mitsubishi Electric Corp.), 14 July, 1988 (14.07.88), Full text (Family: none)	6,7,13,14
A	JP 3-158376 A (Mitsubishi Electric Corp.), 08 July, 1991 (08.07.91), Full text (Family: none)	6,7,13,14